

Influenza A(H3N2) egg-derived¹ candidate vaccine viruses for development and production of vaccines for use in the 2020 southern hemisphere influenza season

Antigenic and genetic analyses are performed by the WHO Collaborating Centres of the Global Influenza Surveillance and Response System (GISRS). Unless otherwise indicated all candidate vaccine viruses posted on this table have passed two-way haemagglutination inhibition (HI) test.

National or Regional control authorities approve the composition and formulation of vaccines used in each country.²

27 September 2019 (last updated on 18 October 2019)

Candidate vaccine viruses (antigenically like A/South Australia/34/2019)

Parent virus	Candidate vaccine virus	Type of virus or reassortant	Developing institute	Available from
A/South Australia/34/2019	Wild type virus			VIDRL, Australia
	IVR-197	Classical	Seqirus	CBER/FDA, USA CDC, USA FCI, UK NIBSC, UK NIID, Japan VIDRL, Australia
A/Christchurch/516/2019	Wild type virus			VIDRL, Australia
	IVR-202*	Classical	Seqirus	CBER/FDA, USA CDC, USA FCI, UK NIBSC, UK NIID, Japan VIDRL, Australia

**New CVV shown in blue*

Institutes contact details for candidate vaccine virus orders/information:

CBER/FDA: Laura.Couzens@fda.hhs.gov

CDC: dwentworth@cdc.gov (Subject: CVV request)

FCI: whocc@crick.ac.uk

NIBSC: standards@nibsc.org or enquiries@nibsc.org

NIID: flu-vaccine@nih.go.jp

VIDRL: whoflu@influenzacentre.org

WHO CCs: http://www.who.int/influenza/gisrs_laboratory/collaborating_centres/list/en/

¹ For cell-derived candidate vaccine viruses and reference reagents please see

https://www.who.int/influenza/vaccines/virus/candidates_reagents/2020_south/en/

² http://www.who.int/immunization_standards/national_regulatory_authorities%20offices/en/

Reference antigens (freeze-dried) (Pending)

Parent virus	Starting materials		Ref Ag Lot number	Unitage (µg HA/ml)	Available from
	Candidate vaccine virus	Egg or cell			

Sheep Antisera (Pending)

Purified HA from		Order Lot number	Available from
Parent virus	Egg or cell		

The above-listed potency testing reagents are developed with support from manufacturers, and calibrated by the WHO Essential Regulatory Laboratories (ERLs) of the Global Influenza Surveillance and Response System (GISRS).

ERLs contact details for reagents orders/information:

NIBSC: standards@nibsc.org or enquiries@nibsc.org

NIID: flu-vaccine@nih.go.jp

TGA: influenza.reagents@health.gov.au

For other candidate vaccine viruses and potency testing reagents, please go to http://www.who.int/influenza/vaccines/virus/candidates_reagents/home/en/

For general enquiries, please contact gisrs-whohq@who.int